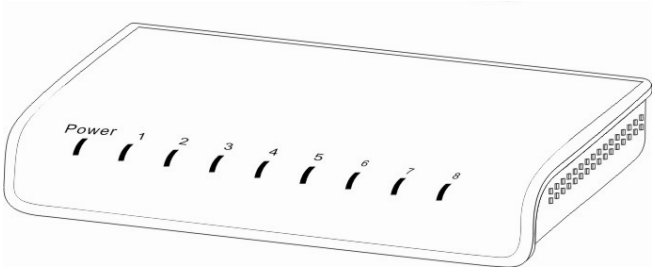
8 Port Nway Fast Ethernet Web Smart Switch

User's Manual



FCC Warning

This device has been tested and found to comply with limits for a Class B digital device, pursuant to Part 2 and 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Warning

This is a Class B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

This switch provides 5/8 10/100M ports. It was designed for easy installation and high performance in an environment where traffic is on the network and the number of users increases continuously.
The small palm size with transparent plastic case was specifically designed for small to medium workgroups. It can be installed where space is limited; moreover, it provides smooth network migration and easy upgrade to network capacity.

Package Contents

Before you start to install this switch, please verify your package that contains the following items:

- One Fast Ethernet Switch
- One Power Adapter
- One User's Manual

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Key Features

- Supports real time status(link,speed, duplex) of each port.
- Supports port setting for enable or disable operation (the 1'st port can't be disabled).
- Supports port setting for N-Way or force mode operation.
- Supports Broadcast Storm Protection.
- Supports Maximum Packet Length 1536 or 1552.
- Supports Port-bases VLAN.
- Supports two priority queues for QoS.
- Supports weighted round robin scheduling for queues.
- Supports Port-bases / 802.1p / Diff serv. priority three types of CoS.

Power

Power is supplied through an external DC power adapter.

Front Panel (LEDs)

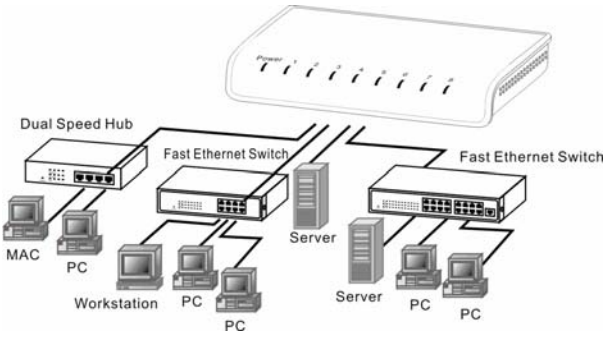
LED Indicators of 5/8 Port 10/100M Switch

LED	Status	Operation
Power	On	Power is on.
	Off	Power is off.
LINK/ACT	On	Port is for connection
	Off	No connection.
	Flashing	Data is transmitting or receiving.

Rear Panel (Connections)

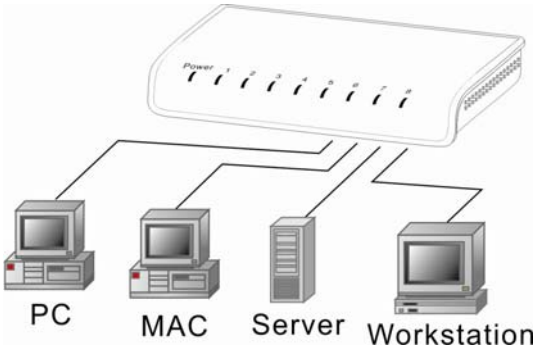
Switch/Hub to this 5/8 Port Fast Ethernet Switch

This switch provides automatic crossover detection functionality for any port. It is simple and friendly to up-link to another switch without crossover cable.



PC/Other devices to this 5/8 Port Fast Ethernet Switch

Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.

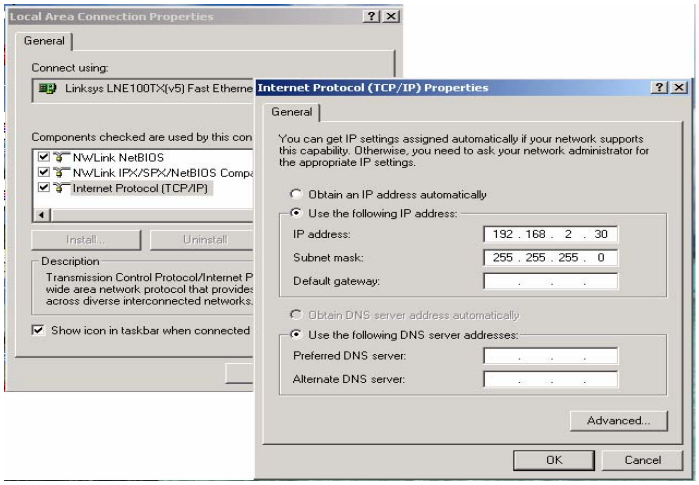


Configure

Please follow the steps to configure this Web Smart switch.

Step 1:
Use a twisted pair cable to connect this switch to your PC.

Step 2:
Set your PC's IP to 192.168.2.xx.



Step 3:
Open the web browser (like IE…), and go to 192.168.2.1 site, and then you will see the login screen.

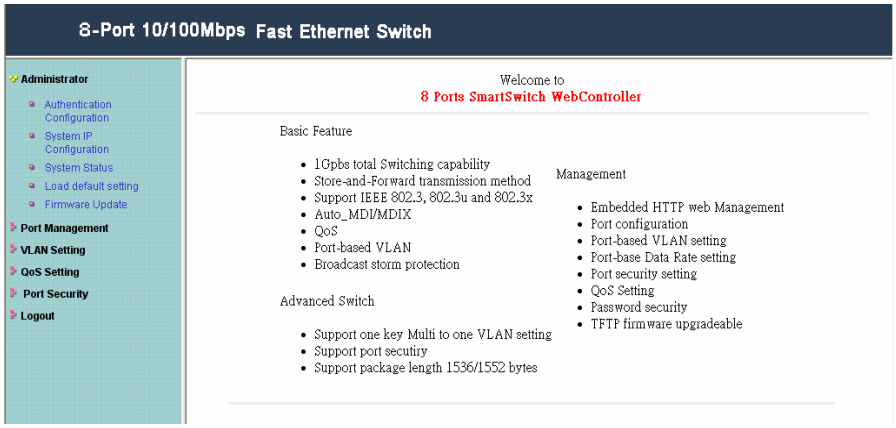
Key in the user ID and the password to pass the authentication,

IP: 192.168.2.1
ID: admin
Password: admin

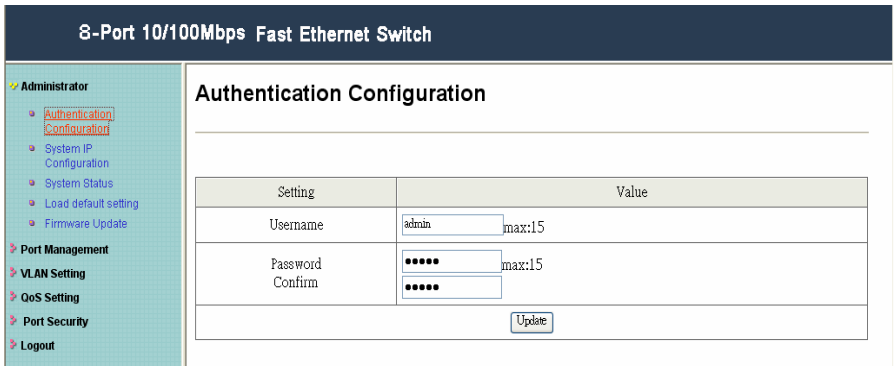
After the authentication procedure, the home page shows up.

Step 4:
On the following home page, select the configuration by clicking the icon. It includes,

- Administrator
- Port Management
- VLAN Setting
- QoS Setting
- Port Security
- Logout

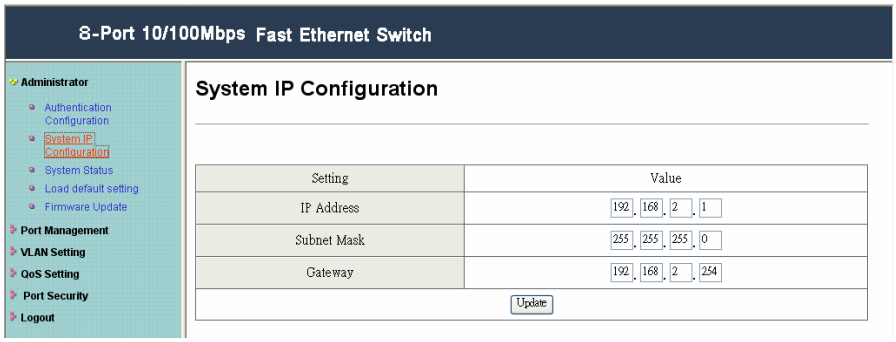


Administrator: Authentication Configuration



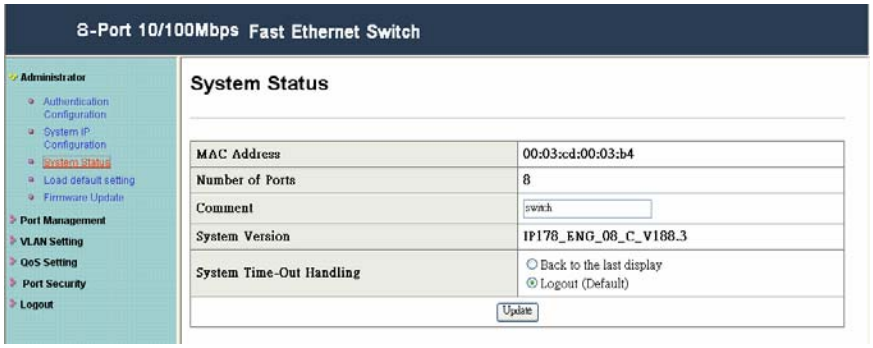
You can change the user name and the password, and click “Update” to confirm the new change. After that, you can reset this switch by power off and then power on to take the new user name and the password effectively.

Administrator: System IP Configuration



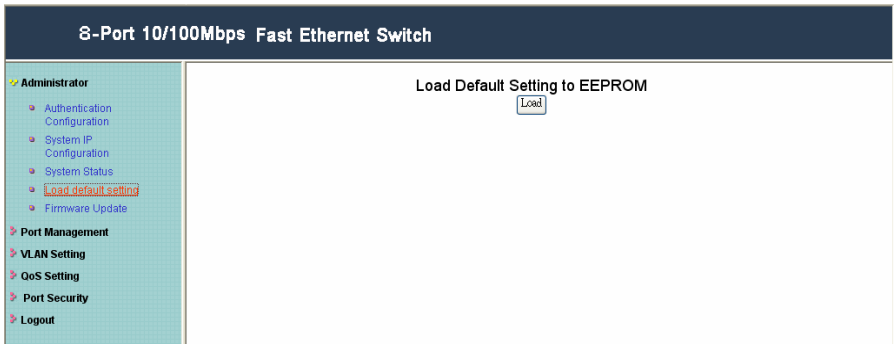
You can change the IP address by typing the new IP address and click “Update” to confirm the new change, and then the message will show “Setting Process OK!!”, After that, you should reset this switch by power off and then power on it to complete the new change.

Administrator: System Status



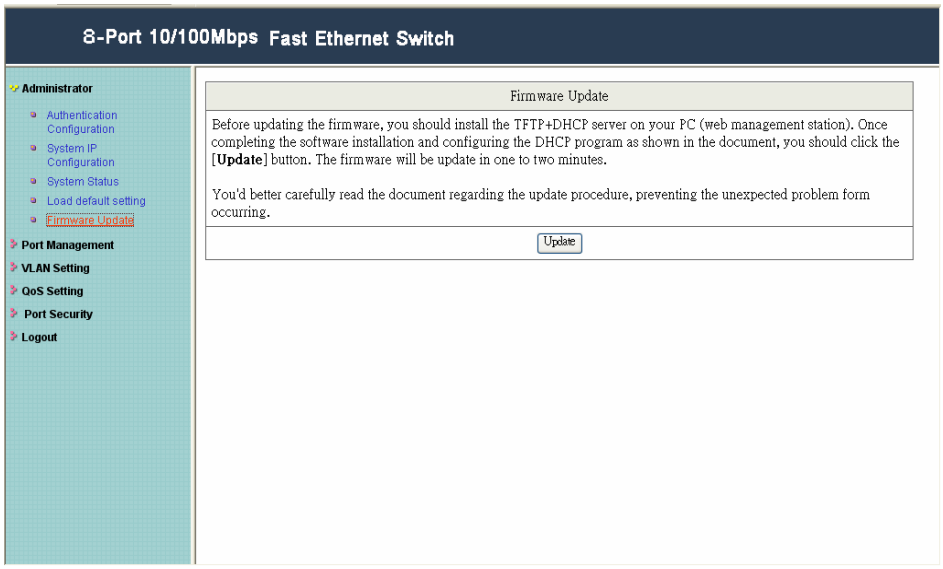
It shows this switch MAC address, and you can select “Back to the last display” or “Logout” when the time’s out.

Administrator: Load Default Setting to EEPROM



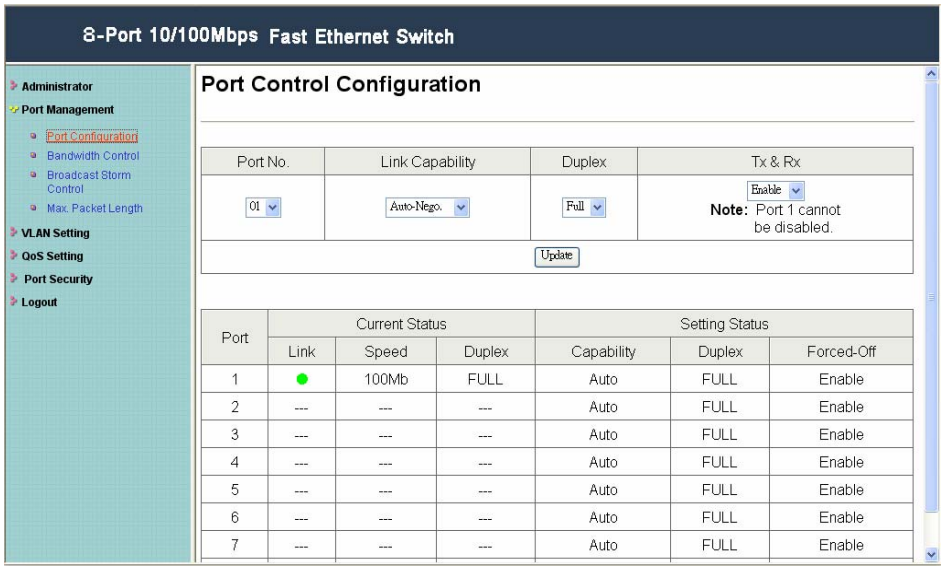
You can click “Load” to load the new factory default setting, and then reset the switch by power off and then power on to take it effectively.

Administrator: Firmware Update



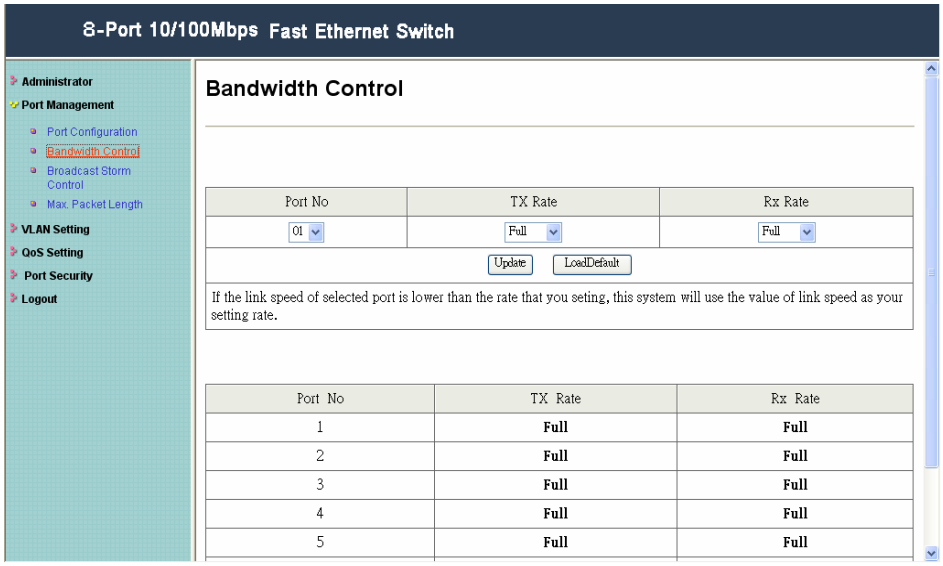
Follow the instruction on the screen to update the new firmware. Please contact with your sales agents to get the latest firmware information.

Port Management: Port Control Configuration



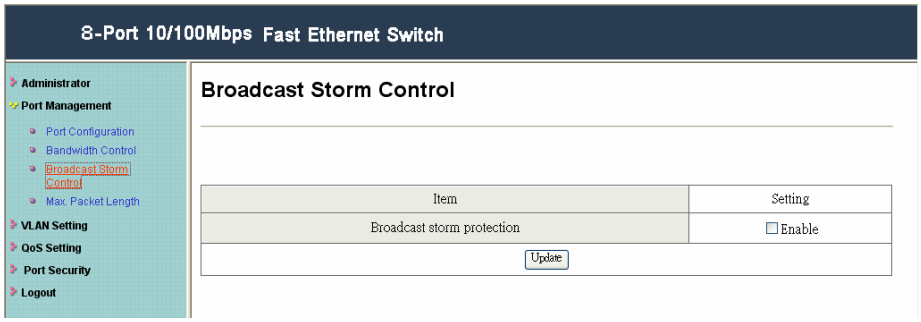
Select the “Port No.” which you want to configure the mode below,
“Capability” - Auto-Nego. or force on 100M or 10M mode
“Duplex” - you can select the port is full/half-duplex or enable/disable this port.

Port Management: Bandwidth Control



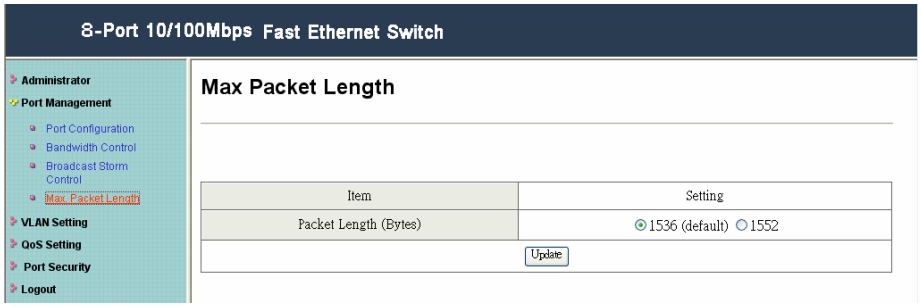
Select the “Port No.” which you want to configure the mode below,
“TX Rate” is meant you can set the maximum transmission rate of this selected port and choose the full speed or in 128K/256K/512K/1M/2M/4M/8M speed.
“RX Rate” is meant you can set the maximum receiving rate of this selected port and choose full speed or in 128K/256K/512K/1M/2M/4M/8M speed.

Port Management: Broadcast Storm Control



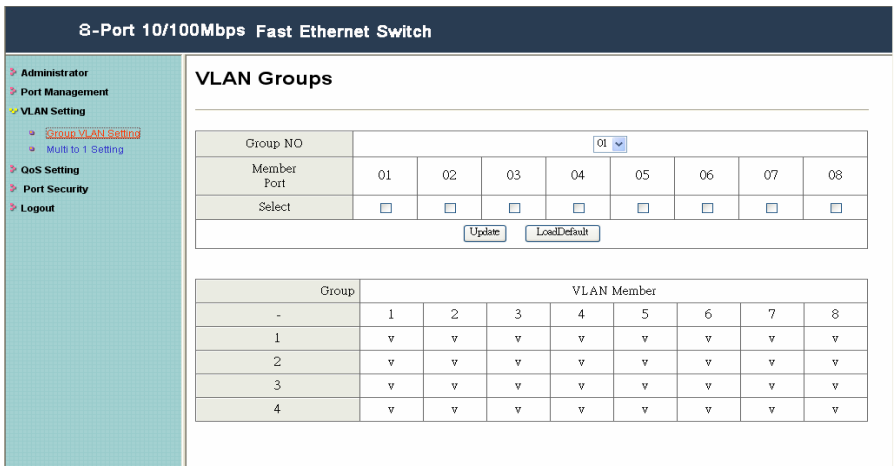
You can enable or disable the broadcast storm protection feature by clicking “Update”.

Port Management: Max Packet Length



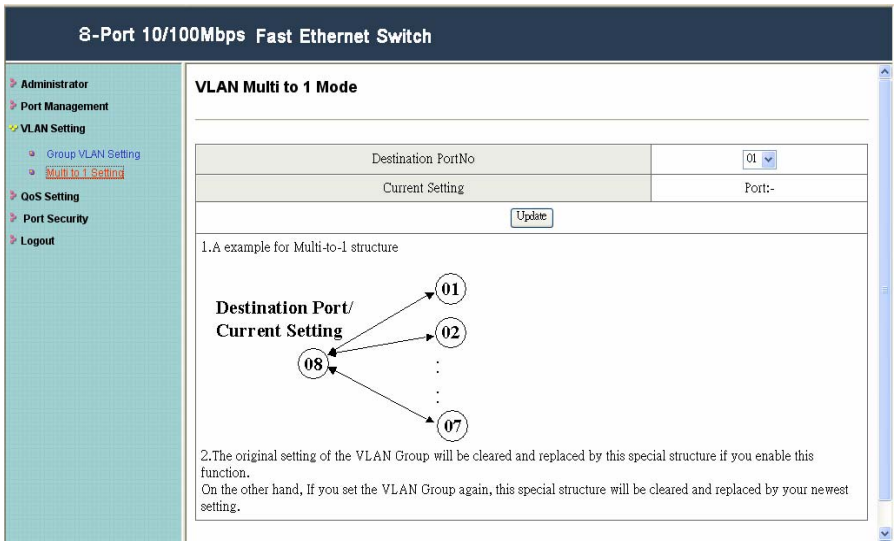
You can select the maximum packet length setting, 1536 byte or 1552 byte of this switch.

VLAN Setting: Group VLAN Setting



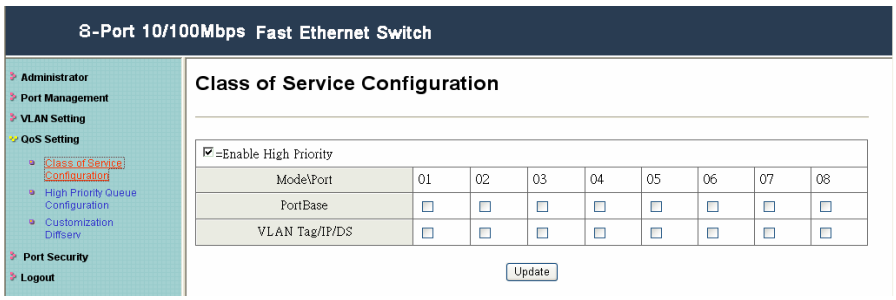
There are 4 VLAN groups, 01, 02, 03, 04, can be used.
You can select a group, and then click the port number which you want to put it into the selected VLAN group.

VLAN Setting: Multi to 1 Setting



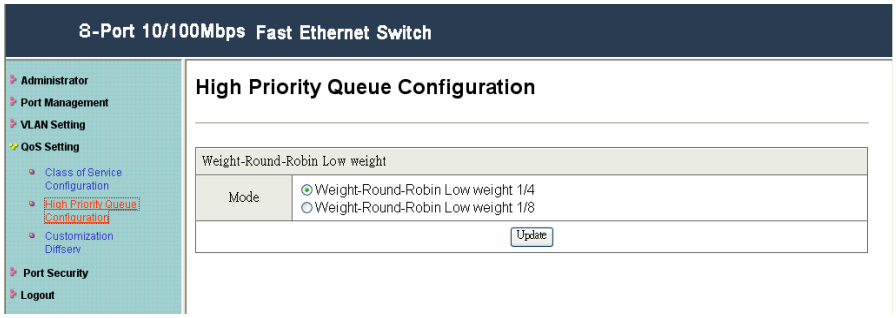
This is a special design for easily setting the switch VLAN into “VLAN Per Port“. After this setting, all ports can only connect to the destination port.

QoS Setting: Class of Service Configuration



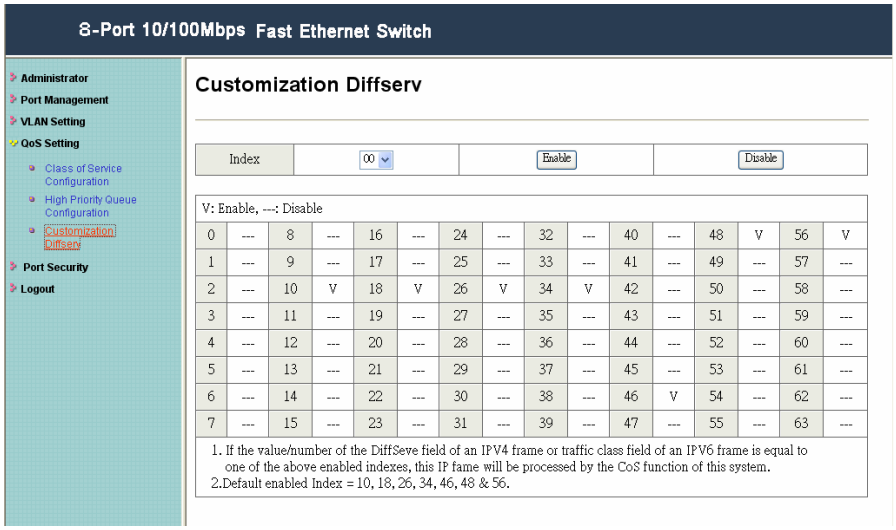
You can select the class of service for each port.

QoS Setting: High Priority Queue Configuration



You can select WRR low weight 1/4 or 1/8.

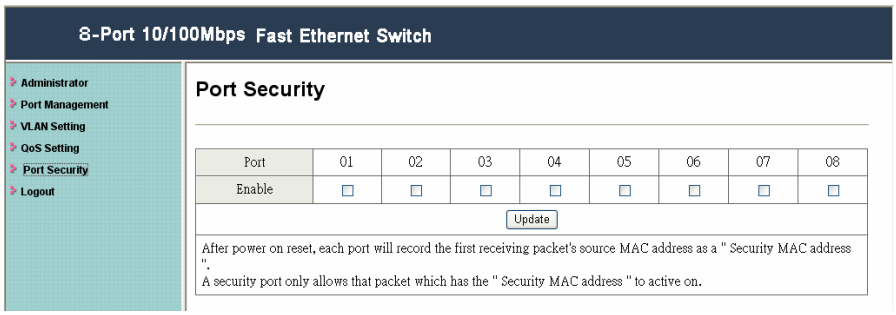
QoS Setting: Customization Diffserv



0	---	8	---	16	---	24	---	32	---	40	---	48	V	56	V
1	---	9	---	17	---	25	---	33	---	41	---	49	---	57	---
2	---	10	V	18	V	26	V	34	V	42	---	50	---	58	---
3	---	11	---	19	---	27	---	35	---	43	---	51	---	59	---
4	---	12	---	20	---	28	---	36	---	44	---	52	---	60	---
5	---	13	---	21	---	29	---	37	---	45	---	53	---	61	---
6	---	14	---	22	---	30	---	38	---	46	V	54	---	62	---
7	---	15	---	23	---	31	---	39	---	47	---	55	---	63	---

Please follow the instruction on the screen to update the setting.

Port Security



When this function is enabled, the port will record the first receiving source MAC address as the security MAC address and only allow the packet which has this MAC address to activate on the port.

Logout: You can click “Logout” to logout.

Technical Specifications

Standards	• IEEE 802.3 10BaseT • IEEE 802.3u 100Base TX • IEEE 802.3x Flow Control • IEEE 802.1Q VLAN Tagging • IEEE 802.1p, Class of Service, Priority Protocols
Ports	• 8 * RJ45 ports, with 10/100Mbps
Transmission method	• Store-and-forward
Packet Buffer	• 512K bits
Mac Table Size	• 1K
Smart Features	• Port-based VLAN: Maximum 5/8 • QoS: 2 Queues • Management: Password-protected Access, Port Settings, Web-base Management, Graphic User Interface
Filtering/Forwarding Rates	• 100Mbps port – 148,800pps • 10Mbps port – 14,880pps
Transmission Media	• 10BaseT Cat. 3,4,5 UTP/STP • 100BaseTX Cat. 5 UTP/STP
Led Indicators	• Per Port: Link/Act • Per Unit: Power
Power	• DC7.5V 0.8A adapter
Dimension	• 140* 105* 25 mm
Environment	• Operating temperature : 0 to 40℃ • Humidity:10% to 90% (Non-condensing)
Certification	• CE, FCC